



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:
Michael KRIEGER et al.

Appl. No: 10/617,189

Confirmation No: 3530

Filed: July 10, 2003

For: BATTERY CHARGER WITH A
TIMED HIGH-CURRENT STAGE

Art Unit: TBA

Examiner: TBA

Atty. Docket No: 32405-187308

Customer No:

26694
26694
PATENT TRADEMARK OFFICE

Information Disclosure Statement

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

This is an Information Disclosure Statement submitted under 37 C.F.R. § 1.97 within the time specified under 37 C.F.R. § 1.97(b).

In order to comply with applicant's duty of disclosure under 37 C.F.R. § 1.56, the U.S. Patent and Trademark Office is notified of the documents which are listed on the attached Form PTO-1449 and which the Examiner may deem relevant to patentability of the claims of the above-identified application. One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits, and therefore no Statement Under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In view of the above, no further translation or statement of relevance is required, and

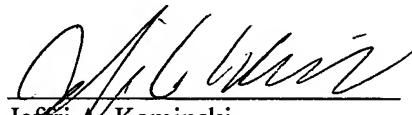
Information Disclosure Statement
U.S. Application No.: 10/617,189

as all requirements of 37 C.F.R. § 1.97 and all official guide lines pertaining to Information Disclosure Statements have been complied with, and it is therefore respectfully requested that the Examiner consider the documents and make them of record.

Please charge any necessary fee or credit any overpayment in connection with this Information Disclosure Statement to Deposit Account No. 22-0261.

Respectfully submitted,

Date: 5-20-04



Jeffri A. Kaminski
Registration No. 42,709
VENABLE LLP
P.O. Box 34385
Washington, D.C. 20043-9998

Telephone: (202) 344-4000
Telefax: (202) 344-8300

#549098

Please type a plus sign (+) inside this box → +

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | |
|--|--|--------------------------|------------------------|
| Substitute for form 1449A/PTO | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | Application Number | 10/617,189 |
| | | Filing Date | July 10, 2003 |
| | | First Named Inventor | Michael KRIEGER et al. |
| | | Group Art Unit | 1755 |
| | | Examiner Name | TBA |
| | | Attorney Docket Number | 32405-187308 |

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

of

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

VENABLE

Please type a plus sign (+) inside this box →

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number



| | | | | | |
|--|--|----|--|--------------------------|------------------------|
| Substitute for form 1449A/PTO | | | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Application Number | 10/617,189 |
| (use as many sheets as necessary) | | | | Filing Date | July 10, 2003 |
| | | | | First Named Inventor | Michael KRIEGER et al. |
| | | | | Group Art Unit | TBA |
| | | | | Examiner Name | TBA |
| Sheet | | of | | Attorney Docket Number | 32405-187308 |

| OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS | | | | |
|---|-----------------------|---|--|----------------|
| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | T ² |
| | | Design Idea DI-12, Topswitch-GX 16 W, Universal Input, Lead Acid Battery Charger, November 2002 | | |
| | | Engineering Prototype Report (EPR-00010), Power Integrations, Inc. (November 14, 2000) | | |
| | | Electricity - Voltage and Current - Teacher's Notes, http://www.reprise.com/host/electricity/voltage_notes.asp , 3/26/2003 | | |
| | | Circuit Components: the Capacitor, http://www.play-hockey.com/dc_theory/components_capacitors.html , 3/26/2003 | | |
| | | 555 Timer Tutorial, http://www.uoguelph.ca/~antoon/gadgets/555/555.html , 3/19/2003 | | |
| | | C-Rate, http://www.allegromicro.com/techpub2/cadex/index332.htm , 4/3/2003 | | |
| | | Electrochemical Systems Glossary C, http://voltaicpower.com/GlossaryLetters/Glossary-C.htm , 4/3/2003 | | |
| | | Battery Capacity and Electromotive Force, http://voltaicpower.com/Batteries/Capacity.htm , 4/3/2003 | | |
| | | EE Times - Battery Capacity Monitoring Goes Beyond the Voltmeter, http://www.eetimes.com/in_focus/mixed_signals/OEG20020709S0017 , 4/3/2003 | | |
| | | Battery Capacity, http://www.techlib.com/reference/batteries.html , 4/3/2003 | | |
| | | | | |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

VENABLE
ATTORNEYS AT LAW

